



II. SEQUENCE LISTING

Please enter the Sequence Listing set forth below into the specification. It is also being provided as an attachment to this response. The content of the following sequence listing and the computer readable copy are the same and include no new matter.

SEQUENCE LISTING

<110> Technische Universität Dresden

<120> Polynucleotides Targeted Against Htert and Use Thereof

<130> 101215-189-2

<140> 10/537,449

<141> 2003-12-08

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(75)

<223> subunit 2176-2250 of hTERT (Accession AF015950)

<400> 1

ctttgtcaag gtggatgtga cgggcgcgta cgacaccatc ccccaggaca ggctcacgga 60
ggtcacgcc agcat 75

<210> 2

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(98)

<223> subunit 2296-2393 of hTERT (Accession AF015950)

<400> 2

ccagaaggcc gcccatgggc acgtccgcaa ggccttcaag agccacgtct ctaccttgac 60

agacctccag ccgtacatgc gacagttcgt ggctcacc

98

<210> 3
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(23)
<223> subunit 2183-2205 of hTERT (Accession AF015950)

<400> 3
aaggtggatg tgacgggcg c gta

23

<210> 4
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2206-2225 of hTERT (Accession AF015950)

<400> 4
cgacaccatc ccccaggaca

20

<210> 5
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2315-2334 of hTERT (Accession AF015950)

<400> 5
cacgtccgca aggccttcaa

20

<210> 6
<211> 20
<212> DNA
<213> Homo sapiens

<220>

<221> mRNA
<222> (1)..(20)
<223> subunit 2317-2336 of hTERT (Accession AF015950)

<400> 6
cgtccgcaag gccttcaaga 20

<210> 7
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(23)
<223> subunit 2324-2346 of hTERT (Accession AF015950)

<400> 7
aaggccttca agagccacgt ctc 23

<210> 8
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2331-2350 hTERT (Accession AF015950)

<400> 8
tcaagagcca cgtctctacc 20

<210> 9
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2333-2352 of hTERT (Accession AF015950)

<400> 9
aagagccacg tctctacctt 20

<210> 10

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: hTERT-AS AStel
2206-2225

<400> 10
tgtcctgggg gatggtgtcg 20

<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: hTERT-AS AStel
2315-2334

<400> 11
ttgaaggcct tgcggacgtg 20

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: hTERT-AS AStel
2317-2336

<400> 12
tcttgaaggc cttgcggacg 20

<210> 13
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: hTERT-AS AStel
2331-2350

<400> 13
ggtagagacg tggctcttga 20

USSN 10/537,449

Response to Office Action dated June 27, 2006

Atty Docket 101215-189

Page 6

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: hTERT-AS AStel
2333-2352

<400> 14

aaggtagaga cgtggctctt 20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NS-K2

<400> 15

cagtctcagt actgaagctg 20

<210> 16

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NS-K3

<400> 16

cagcttcagt actgagactg 20

<210> 17

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(501)

<223> subunit 2000-2500 of hTERT (Accession AF015950)

<400> 17

aagagggccg agcgtctcac ctgaggggtg aaggcactgt tcagcgtgct caactacgag 60
cgggcgcggc gccccggcct cctgggcgcc tctgtgctgg gcctggacga tatccacagg 120
gcctggcgca ccttcgtgct gcgtgtgcgg gccagagacc cgccgcctga gctgtacttt 180

```
gtcaaggtgg atgtgacggg cgcgtacgac accatcccc aggacaggct cacggaggtc 240
atcgccagca tcatcaaacc ccagaacacg tactgctgct gtcggtatgc cgtggtccag 300
aaggccgccc atgggcacgt ccgcaaggcc ttcaagagcc acgtctctac cttgacagac 360
ctccagccgt acatgcgaca gttcgtggct cacctgcagg agaccagccc gctgagggat 420
gccgtcgtca tcgagcagag ctccctccctg aatgaggcca gcagtggcct cttcgacgtc 480
ttcctacgct tcatgtgcca c 501
```

<210> 18

<211> 4015

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(4015)

<223> hTERT (EMBL:Accession AF015950)

<400> 18

```
gcagcgctgc gtctctgctgc gcacgtggga agccctggcc ccggccaccc ccgcgatgcc 60
gcgcgctccc cgctgccgag ccgtgcgctc cctgctgcgc agccactacc gcgaggtgct 120
gccgctggcc acgttcgtgc ggcgcctggg gcccaggggc tggcggctgg tgcagcgcg 180
ggacccggcg gctttccgcg cgctgggtgg ccagtgcctg gtgtgcgtgc cctgggacgc 240
acggccgccc cccgcgcgcc cctccttccg ccaggtgtcc tgcctgaagg agctggtggc 300
ccgagtgtcg cagaggtgtg gcgagcgcg gcggaagaac gtgctggcct tcggttccgc 360
gctgctggac ggggcccccg ggggcccccc cgaggccttc accaccagcg tgcgcagcta 420
cctgcccac acggtgaccg acgcaactgc ggggagcggg gcgtgggggc tgcgtgctgc 480
ccgcgtgggc gacgacgtgc tgggtcacct gctggcacgc tgcgcgctct ttgtgctggt 540
ggctcccagc tgcgcctacc aggtgtgcgg gccgcgcgtg taccagctcg gcgtgccac 600
tcaggccccg cccccgccac acgctagtgg accccgaagg cgtctgggat gcgaacgggc 660
ctggaacctat agcgtcaggg aggcgggggt cccctggggt ctgccagccc cgggtgagcg 720
gaggcgcggg ggcagtggca gccgaagtct gccgttgccc aagaggccca ggcgtggcg 780
tgccctgag ccgagcgcca gcccgttggt gcaggggtcc tggggccacc cgggcaggac 840
gcgtggaccg agtgaccgtg gtttctgtgt ggtgtcacct gccagaccg ccgaagaagc 900
cacctctttg gagggtgcgc tctctggcac gcgccactcc caccatccg tgggcccga 960
gcaccacgcg ggccccccat ccacatcgcg gccaccacgt ccctgggaca cgccttgtcc 1020
cccggtgtac gccgagacca agcaacttct ctactctca ggcgacaagg agcagctgcg 1080
gcccctcttc ctactcagct ctctgaggcc cagcctgact ggcgctcgga ggctcgtgga 1140
gaccatcttt ctgggttcca ggccttgat gccagggact ccccgaggt tgcctcgct 1200
gccccagcgc tactggcaaa tgcggccct gtttctggag ctgcttggga accacgcgca 1260
gtgcccctac ggggtgctcc tcaagacgca ctgcccgtg cgagctgcgg tcaccccagc 1320
agccggtgtc tgtgcccggg agaagcccca gggctctgtg gcggccccc aggaggagga 1380
cacagacccc cgctgcctgg tgcagctgct ccgccagcac agcagcccct ggcaggtgta 1440
cggtctcgtg cgggcctgcc tgcgcgggt ggtgccccca ggctctggg gctccaggca 1500
caacgaacgc cgcttctca ggaacaccaa gaagttcatc tccctgggga agcatgcaa 1560
gctctcgtg caggagctga cgtggaagat gagcgtgcgg gactgcgctt ggctgcgcag 1620
gagcccagg gttggctgtg ttccggccgc agagcaccgt ctgctgagg agatcctggc 1680
caagtctctg cactggctga tgagtgtgta cgtcgtcgag ctgctcaggt ctttctttta 1740
tgtcacggag accacgtttc aaaagaacga gctcttttcc taccggaaga gtgtctggag 1800
caagttgcaa agcattggaa tcagacagca cttgaagagg gtgcagctgc gggagctgtc 1860
ggaagcagag gtcaggcagc atcggaagc caggcccgcc ctgctgacgt ccagactccg 1920
```

cttcatcccc	aagcctgacg	ggctgcggcc	gattgtgaac	atggactacg	tctgtgggagc	1980
cagaacgttc	cgcagagaaa	agagggccga	gcgtctcacc	tgcaggggtga	aggcactgtt	2040
cagcgtgctc	aactacgagc	gggcgcggcg	ccccggcctc	ctgggcgcct	ctgtgctggg	2100
cctggacgat	atccacaggg	cctggcgcac	cttcgtgctg	cgtgtgcggg	cccaggaccc	2160
gccgcctgag	ctgtactttg	tcaaggtgga	tgtgacgggc	gcgtacgaca	ccatccccca	2220
ggacaggctc	acggaggtca	tgcgccagcat	catcaaacc	cagaacacgt	actgcgtgcg	2280
tccggtatgcc	gtggtccaga	aggccgccca	tgggcacgtc	cgcaaggcct	tcaagagcca	2340
cgtctctacc	ttgacagacc	tccagccgta	catgcgacag	ttcgtggctc	acctgcagga	2400
gaccagcccg	ctgagggatg	ccgtcgtcat	cgagcagagc	tcctccctga	atgaggccag	2460
cagtggcctc	ttcgacgtct	tcctacgctt	catgtgccac	cacgccgtgc	gcatcagggg	2520
caagtccctac	gtccagtgcc	aggggatccc	gcagggctcc	atcctctcca	cgctgctctg	2580
cagcctgtgc	tacggcgaca	tggagaacaa	gctgtttgcg	gggattcggc	gggacgggct	2640
gctctcgcgt	ttggtggatg	atctcttgtt	ggtgacacct	cacctcacc	acgcgaaaac	2700
cttcctcagg	accctggctc	gaggtgtccc	tgagtatggc	tgcgtggtga	acttgcgga	2760
gacagtgggtg	aacttccctg	tagaagacga	ggccctgggt	ggcacggctt	ttgttcagat	2820
gccggccccac	ggcctattcc	cctggtgctg	cctgctgctg	gatacccgga	ccctggagggt	2880
gcagagcgac	tactccagct	atgcccgac	ctccatcaga	gccagtctca	ccttcaaccg	2940
cggcttcaag	gctgggagga	acatgcgtcg	caaactcttt	ggggtcttgc	ggctgaagtg	3000
tcacagcctg	tttctggatt	tgcaggtgaa	cagcctccag	acggtgtgca	ccaacatcta	3060
caagatcctc	ctgctgcagg	cgtacagggt	tcacgcattg	gtgctgcagc	tccattttca	3120
tcagcaagtt	tgaagaacc	ccacattttt	cctgcgcgtc	atctctgaca	cggcctccct	3180
ctgctactcc	atcctgaaag	ccaagaacgc	agggatgtcg	ctggggggcca	agggcgccgc	3240
cggccctctg	ccctccgagg	ccgtgcagtg	gctgtgccac	caagcattcc	tgctcaagct	3300
gactcgacac	cgtgtcacct	acgtgccact	cctgggggtca	ctcaggacag	cccagacgca	3360
gctgagtcgg	aagctcccgg	ggacgacgct	gactgccctg	gaggccgcag	ccaaccgggc	3420
actgccctca	gacttcaaga	ccatcctgga	ctgatggcca	ccgcccaca	gccaggccga	3480
gagcagacac	cagcagccct	gtcacgccgg	gctctacgtc	ccagggaggg	aggggcggcc	3540
cacaccagag	cccgcaccgc	tgggagtcgt	aggcctgagt	gagtgtttgg	ccgaggcctg	3600
catgtccggc	tgaaggctga	gtgtccggct	gaggcctgag	cgagtgtcca	gccaagggct	3660
gagtgtccag	cacacctgcc	gtcttcactt	ccccacaggc	tggcgtctcg	ctccacccca	3720
gggccaagctt	ttcctcacca	ggagcccggc	ttccactccc	cacataggaa	tagtccatcc	3780
ccagattcgc	cattgttcac	ccctcgccct	gccttccacc	cccaccatcc		3840
aggtggagac	cctgagaagg	accctggggag	ctctgggaat	ttggagtgc	caaagggtgtg	3900
ccctgtacac	aggcgaggac	cctgcacctg	gatgggggtc	cctgtgggtc	aaattggggg	3960
gaggtgctgt	gggagtaaaa	tactgaatat	atgagttttt	cagttttgaa	aaaaa	4015